

PORTABLE FLUORESCENT LIGHTING UNIT WITH ADJUSTABLE BEAM SPREAD.

Abstract of the Disclosure

A compact portable fluorescent lighting unit provides concentrated even coverage illumination for many visual arts, theater, studio or location applications. Beam width is conveniently user-adjustable without tools, typically in three steps: 60, 70 and 90 degrees. A pair of identical lighting cells are stacked one above the other; each cell can utilize any one of a variety of fluorescent lamps providing powerful illumination. Each cell has an efficient reflector and provision for beam width selection by varying the spacing of the lamp from the rear of the reflector via easily adjustable socket/lamp support brackets. A welded aluminum mounting yoke, with arms swivel-attached to opposite ends of the housing, can be set to any desired orientation for beam-aiming and locked in place to the housing by a user knob. The yoke can be affixed directly to building structure or mounted via a pipe or stand adaptor, optionally swivelled to provide a second beam-aiming axis.